

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A medium having a status information printing program recorded thereon to be run on a host computer in order for a printer to print status information, the host computer and the printer being connected for two-way communication, the ~~printing program comprising medium being characterized by causing the host computer to realize:~~

an output initiation instruction monitor function configured to monitor for monitoring the output initiation instruction for the status information that the printer outputs through the two-way communication;

a status information acquisition function on the host side configured to acquire for acquiring status information data from the printer through the two-way communication;

a printing data generation function configured to generate for generating printing data to be printed by the printer based on the status information data acquired by the status information acquisition function on the host side when the output initiation instruction is recognized by the output initiation instruction monitor function; and

a printing data output function configured to output for outputting to the printer through the two-way communication the printing data generated by the printing data generation function.

Claim 2 (Currently Amended): The medium according to Claim 1, ~~characterized in~~ that wherein

the printing data generated by the printing data generation function is dot image data.

Claim 3 (Currently Amended): The medium according to Claim 1, wherein characterized by:

- part of the status information data is being in the printer whether the output initiation instruction exists or not; and
- the output initiation instruction monitor function is configured to monitor monitoring whether the output initiation instruction is contained in the status information data acquired by the status information acquisition function on the host side.

Claim 4 (Currently Amended): The medium according to Claim 1, wherein characterized by:

- the output initiation instruction is being a trigger transmitted from the printer through the two-way communication; and
- the output initiation instruction monitor function is configured to judge judging whether the trigger is received.

Claim 5 (Currently Amended): The medium according to Claim 1, wherein characterized by:

- the status information acquisition function is configured to analyze analyzing the status of the printer based on the acquired status information data; and
- the status information acquisition function is configured to warn warning a user on the host computer if the printer can perform no printing.

Claim 6 (Currently Amended): The medium according to Claim 1, characterized by wherein

the status information acquisition function is configured to acquire ~~acquiring~~ the communication mode as the status information data when two-way communication is held with the printer.

Claim 7 (Currently Amended): The medium according to Claim 1, ~~characterized by~~ wherein

the printing data generation function is configured to generate ~~generating~~ from a default file the form of the printing images to be printed by the printer, ~~then generate~~ generating the character string image corresponding to the status based on the status information data, and generate ~~generating~~ the printing image by superposing them together.

Claim 8 (Currently Amended): A printer for holding two-way communication with a host computer and printing status information about the printer, the printer comprising:

an output initiation instruction unit configured to instruct ~~for instructing~~ the output initiation of the status information;

a status information acquisition unit on the printer's side configured to acquire ~~for acquiring~~ status information data on the printer;

a status information output unit configured to output ~~for outputting~~ through the two-way communication the status information data acquired by the status information acquisition unit on the printer's side, and causing the host computer to generate printing data for the printer to print the status information; and

a printing unit configured to receive ~~for receiving~~ the printing data from the host computer through the two-way communication and performing predetermined printing based on the received data.

Claim 9 (Currently Amended): The printer according to Claim 8, ~~characterized in that~~
wherein

the printing data received by the printing unit is dot image data.

Claim 10 (Currently Amended): The printer according to Claim 8, ~~characterized by~~
wherein

the status information acquisition unit includes including a status information data storage part for storing status information data, and is configured to write writing the output initiation instruction as part of the status information data in accordance with the output initiation instruction of the output initiation instruction unit; and

the status information output unit is configured to output outputting through the two-way communication the status information data stored in the status information data storage part.

Claim 11 (Currently Amended): The printer according to Claim 8, ~~characterized by~~
wherein

the output initiation instruction unit is configured to output outputting a trigger as the output initiation instruction through the two-way communication; and

the status information output unit is configured to output outputting the status information data acquired by the status information acquisition unit after the trigger is outputted.

Claim 12 (Currently Amended): The printer according to Claim 8, ~~characterized by~~
wherein

the output initiation instruction unit includes including a predetermined instruction button, multiple operation of which gives the output initiation instruction.

Claim 13 (Currently Amended): The printer according to Claim 8, characterized by:
wherein

the status information acquisition unit is configured to acquire acquiring fixed status information only when the printer is booted; and

the status information acquisition unit is configured to acquire acquiring sequentially updated status information when the status is updated.

Claim 14 (Currently Amended): A printing controller for causing a printer connected for two-way communication to print status information on the printer, the printing controller comprising:

an output initiation instruction monitor unit configured to monitor for monitoring the output initiation instruction for the status information that the printer outputs through the two-way communication;

a status information acquisition unit on the host side configured to acquire for acquiring status information data from the printer through the two-way communication;

a printing data generation unit configured to generate for generating printing data to be printed by the printer based on the status information data acquired by the status information acquisition unit on the host side when the output initiation instruction monitor unit recognizes the output initiation instruction; and

a printing data output unit configured to output for outputting to the printer through the two-way communication the printing data generated by the printing data generation unit.

Claim 15 (Currently Amended): The printing controller according to Claim 14,
~~characterized in that~~ wherein

the printing data generated by the printing data generation unit is dot image data.

Claim 16 (Currently Amended): The printing controller according to Claim 14,
~~characterized by:~~ wherein

part of the status information data is being in the printer whether the output initiation instruction exists or not; and

the output initiation instruction monitor unit is configured to monitor monitoring whether the output initiation instruction is contained in the status information data acquired by the status information acquisition unit on the host side.

Claim 17 (Currently Amended): The printing controller according to Claim 14,
~~characterized by:~~ wherein

the output initiation instruction is being a trigger transmitted from the printer through the two-way communication; and

the output initiation instruction monitor unit is configured to judge judging whether the trigger is received.

Claim 18 (Currently Amended): The printing controller according to Claim 14,
~~characterized by:~~ wherein

the status information acquisition unit is configured to analyze analyzing the status of the printer based on the acquired status information data; and

the status information acquisition unit is configured to warn warning a user if the printer can perform no printing.

Claim 19 (Currently Amended): The printing controller according to Claim 18,
characterized by wherein

the status information acquisition unit is configured to acquire acquiring the communication mode as the status information data when two-way communication is held with the printer.

Claim 20 (Currently Amended): The printing controller according to Claim 14,
characterized by: wherein

the printing data generation unit is configured to generate generating from a default file the form of the printing images to be printed by the printer, then generate generating the character string image corresponding to the status based on the status information data, and generate generating the printing image by superposing them together.

Claim 21 (Previously Presented): A status information printing method for causing a printer to print status information under the control of a host computer, the printer and the host computer being connected for two-way communication, the method comprising:

an output initiation instruction monitor step for monitoring the output initiation instruction for the status information that the printer outputs through the two-way communication;

a status information acquisition step on the host side for acquiring status information data from the printer through the two-way communication;

a printing data generation step for generating printing data to be printed by the printer based on the status information data acquired in the status information acquisition step on the

host side when the output initiation instruction is recognized in the output initiation instruction monitor step; and

 a printing data output step for outputting to the printer through the two-way communication the printing data generated in the printing data generation step.

Claim 22 (Currently Amended): The status information printing method according to
Claim 21, ~~characterized in that~~ wherein

 the printing data generated in the printing data generation step is dot image data.

Claim 23 (Currently Amended): The status information printing method according to
Claim 21, ~~characterized by:~~ wherein

 part of the status information data ~~is being~~ in the printer whether the output initiation instruction exists or not; and

 the output initiation instruction monitor step ~~monitors monitoring~~ whether the output initiation instruction is contained in the status information data acquired in the status information acquisition step on the host side.

Claim 24 (Currently Amended): The status information printing method according to
Claim 21, ~~characterized by:~~ wherein

 the output initiation instruction ~~is being~~ a trigger transmitted from the printer through the two-way communication; and

 the output initiation instruction monitor step ~~judges judging~~ whether the trigger is received.

Claim 25 (Currently Amended): The status information printing method according to

Claim 21, characterized by: wherein

the status information acquisition step analyzes analyzing the status of the printer
based on the acquired status information data; and

the status information acquisition step warns warning a user if the printer can perform
no printing.

Claim 26 (Currently Amended): The status information printing method according to

Claim 21, characterized by wherein

the status information acquisition step acquires acquiring the communication mode as
the status information data when two-way communication is held with the printer.

Claim 27 (Currently Amended): The status information printing method according to

Claim 21, characterized by wherein

the printing data generation step generates generating from a default file the form of
the printing images to be printed by the printer, then generates generating the character string
image corresponding to the status based on the status information data, and generates
generating the printing image by superposing them together.

Claim 28 (Currently Amended): A status information printing system consisting of a
host computer and a printer that are connected for two-way communication via a
predetermined data transfer line, the system, comprising being characterized by:

the printer configured being able to output status information data through the two-
way communication to the host computer in accordance with a status information output

initiation instruction, and perform predetermined printing based on printing data outputted by the host computer; and

the host computer configured to acquire acquiring the status information data outputted from the printer through the two-way communication, generating and generate predetermined printing data based on the status information data, and output outputting the printing data to the printer.